

## ABSTRACT OF THE DISCLOSURE

5 An apparatus processes an equalizer output signal. The equalizer output signal is formed by transmitting an alternate mark inversion input signal over a channel and passing the transmitted signal through an adaptive equalizer. The apparatus includes a correlator circuit block that detects an incorrect convergence of the adaptive equalizer and outputs a correlator output signal. A corrector filter receives the equalizer output signal and the correlator output signal, and applies a correction to the equalizer output signal based on the correlator output signal, to form a corrected signal that is substantially a time delayed copy of the input signal.